

## Page 1 of 1

All amounts are calculated in domestic currency.

es from 7/12/2017 to 7/12/2017

All Rec. Employees

Grouped by Vendor ID

| Purchase Order ID/<br>Curr Type   | Line Nbr/<br>Insp Req | Project ID | Reference/<br>Description/<br>Cert Std | PO U/M /<br>Stock U/M | Required Date | Recv Date/<br>Recv Emp | Recv Qty<br>(PO U/M) | Cost Per Unit/<br>Recv Value | Inspected Qty<br>Rejected Qty<br>(PO U/M) | MRB Qty/<br>MRB Reject Qty | Book Amt   |
|---|-----------------------|------------|--|-----------------------|---------------|------------------------|----------------------|------------------------------|---|----------------------------|------------|
| <b>Vendor ID \ Vendor Name VC-MET002 Metaux Solutions</b>   |                       |            |  |                       |               |                        |                      |                              |   |                            |            |
| PO36836   | 2                     |            | MSTEEL-A2-B0.500X1.250                 | f 1,355 - 1,188       | 7/12/2017     | 7/12/2017              | 24.0000              | \$9.54                       | 0.0000                                    | 0                          | \$228.87   |
| CAD   | No                    |            | AISI A2 TOOL STEEL BAR, 0.500 X 1.250  | f .533                | 24.0000       | PLOU01                 |                      | \$228.87                     | 0.0000                                    | 0                          |            |
|   |                       |            | ml38008                                |                       |               |                        |                      |                              |   |                            |            |
|   | 3                     |            | M304TS0.750W.065                       | f DAS                 | 7/12/2017     | 7/12/2017              | 200.0000             | \$2.12                       | 0.0000                                    | 0                          | \$423.83   |
|   | No                    |            | 304 SQ Tube .75x.75x.065W              | f 9                   | 200.0000      | PLOU01                 |                      | \$423.83                     | 0.0000                                    | 0                          |            |
|   |                       |            | ml38008                                | 9-89                  |               |                        |                      |                              |   |                            |            |
|   | 4                     |            | M4130NB0.500X03.0                      | f 00                  | 7/12/2017     | 7/12/2017              | 46.6666              | \$23.08                      | 0.0000                                    | 0                          | \$1,077.04 |
|   | No                    |            | 4130 Bar 0.500 x 3.00                  | f                     | 46.6666       | PLOU01                 |                      | \$1,077.04                   | 0.0000                                    | 0                          |            |
|   |                       |            | ml38008                                |                       |               |                        |                      |                              |   |                            |            |
|   | 5                     |            | 71500-20                               | Each                  | 7/12/2017     | 7/12/2017              | 56.0000              | \$24.12                      | 0.0000                                    | 0                          | \$1,350.71 |
|   | No                    |            | 304 SLAT 0.125" X 4" X 65" LONG        |                       | 56.0000       | PLOU01                 |                      | \$1,350.71                   | 0.0000                                    | 0                          |            |
|   |                       |            | ml38008                                |                       |               |                        |                      |                              |   |                            |            |
| <div style="text-align: right;"> <b>Total Received Quantity:</b> 326.6666<br/> <b>Total Qty to Inspect (PO U/M):</b> 0.0000<br/> <b>Total Reject Quantity:</b> 0.0000<br/> <b>Total Receipt Value:</b> \$3,080.46<br/> <b>Total Balance Due Quantity:</b> 0.0000         </div> |                       |            |  |                       |               |                        |                      |                              |   |                            |            |

METAUX SOLUTIONS INC  
2625 BOUL JACQUES CARTIER EST  
LONGUEUIL, QUEBEC  
J4N 1L7  
Tel.: 450 641-3330

# Shipping Order

10/07/2017

Order : 126774  
Reference : 36836  
Ship : PICK UP / PICK UP

Customer: 6323336

DART AEROSPACE LTD  
1270, ABERDEEN STREET  
HAWKESBURY, ONTARIO  
K6A 1K7

## Ship To

Same

Tel.: 1 613 632-3336

| Item No.     | Description  | Qty   | Qty. Delivered | B/O Qty |
|--------------|--|-------|----------------|---------|
|              | ***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR<br>LE PACKING SLIP INSCRIRE LES HEAT N |       |                |         |
| TP12A2       | A-2 PLATE TFA 1/2" THICK<br>2 X 1.25" -0+00 X 133.25"<br>HT; pm76792                   | 50    | 50             | 8       |
| SSQT34340654 | TUBE SS304 180 GRIT 3/4" X 3/4" X .065"<br>10 X 20' *****<br>HT;9G078                  | 200   | 200            | 8       |
| MP124130N    | 4130 NORM PLATE .500 THICK AMS 6345<br>40 X 3" X 14"<br>HT;248571                      | 11.6  | 11.6           | 8       |
| SF1844       | 304 FLA .125 X 4.000<br>56 X 65" *****<br>HT;109760                                    | 304.5 | 304.5          | 8       |

SHIP JOURNEY COLLECT  
J-P

SPN-7-12

Shipping :  
Package No :

Ref. :

Merchandise Received:

METAUX SOLUTIONS INC  
2625 BOUL JACQUES CARTIER EST  
LONGUEUIL, QUEBEC  
J4N 1L7  
Tel.: 450 641-3330

# Shipping Order

10/07/2017

Order : 126774  
Reference : 36836  
Ship : PICK UP / PICK UP

Customer : 6323336

DART AEROSPACE LTD  
1270, ABERDEEN STREET  
HAWKESBURY, ONTARIO  
K6A 1K7

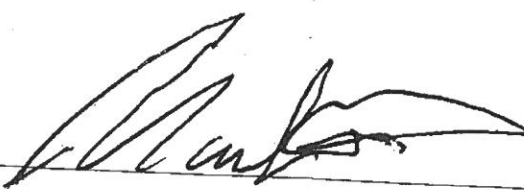
## Ship To

Same

Tel.: 1 613 632-3336

| Item No.     | Description  | Qty   | Qty. Delivered | B/O Qty |
|--------------|--|-------|----------------|---------|
| TP12A2       | ***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR<br>LE PACKING SLIP INSCRIRE LES HEAT N<br>A-2 PLATE TFA 1/2" THICK<br>2 X 1.25" -0+00 X 133.25"<br>HT; pm76792 | 50    | 50             | 8       |
| SSQT34340654 | TUBE SS304 180 GRIT 3/4" X 3/4" X .065"<br>10 X 20' *****<br>HT;9G078  | 200   | 200            | 8       |
| MP124130N    | 4130 NORM PLATE .500 THICK AMS 6345<br>40 X 3" X 14"<br>HT;248571  | 11.6  | 11.6           | 0       |
| SF1844       | 304 FLA .125 X 4.000<br>56 X 65" *****<br>HT;109760  | 304.5 | 304.5          | 0       |

SHIP JOURNEY COLLECT  
J-P



Shipping :  
Package No :  
Merchandise Received :  
Ref. :

# NUCOR STEEL

4537 S. NUCOR ROAD; CRAWFORDSVILLE, IN 47933

## REPORT OF TESTS

|                                 |   |
|---------------------------------|---|
| ATIN:                           | DATE: 1/20/15   |
| FAX:                            |   |
| SOLD TO:                        | USTOMER ORDER # 081414MC  |
| SIZE: 0.500" by 36" steel sheet | PRODUCT: HRPO light oil FINE GRAIN<br>AIRCRAFT QUALITY 4130 AMS 6345 Rev C<br>ASTM-A 506 ASTM-A-635 AMS 2301 Rev J<br>[successor to MIL-S-18729 COND N.]<br>NORMALIZED OR OTHERWISE HEAT<br>TREATED |

### AMS 6345

| COIL #  | HEAT #    | YIELD    | TENSILE | ELONG |
|---------|-----------|----------|---------|-------|
| 1961550 | 248571-06 | 81.5 ksi | 115 ksi | 20%   |

| TEST                              | RESULT |      |
|-----------------------------------|--------|------|
| *Average austenite grain size     | #8     | Pass |
| Decarburization (P/F)             |        | Pass |
| *Bend Test (P/F)                  |        | Pass |
| *Response to Heat Treatment (P/F) | 45 HRC | Pass |
| *AMS 2301 Quality Freq/Sev (P/F)  | 0/0    | Pass |


\*These tests performed by outside lab, ISO 17025 certified.

*mk 12/07/18*

| HEAT # | C     | Mn   | P     | S     | Al    | Si    | N     | Cr    | Ni    | Cu    | Mo    |
|--------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 248571 | 0.287 | 0.55 | 0.006 | 0.000 | 0.028 | 0.208 | 0.007 | 0.860 | 0.017 | 0.043 | 0.165 |

WE HEREBY CERTIFY THE ABOVE  
IS CORRECT AS CONTAINED IN  
THE RECORDS OF THE CORPORATION.

Melted and Manufactured in the USA

  
Cold Mill Metallurgist

QF-0200, 10/17/05

# Kingmaker Steel Co., Inc.

## Stainless Steel Tube and Pipe

133 Belmont Drive, Somerset, NJ 08873-1203

Tel.: (732) 302-1800, Fax: (732) 302-1822

000429

Date: 6/8/2017

Invoice No: KM2017/1360

Purchase P008047

Order No:

Sold To:

### Material Certification

ISO 9001:2015

ISO 14001:2004

EN 10204/3.1B

Ship To:

Stainless Steel T.I.G. Welded Tubing.

Country of Melt: Taiwan, Country of Origin: Taiwan.

| Item | Description                 | Heat No.  | Finish | Specification | Grade  |
|------|-----------------------------|-----------|--------|---------------|--------|
| 1:   | 2" X 3" REC X 0.180"W X 20' | TBG070758 | MF     | ASTM A554-16  | MT-304 |
| 2:   | 1-1/2" OD X 0.120"W X 20'   | 5A581     | 180G   | ASTM A554-16  | MT-304 |
| 3:   | 2" SQ X 0.180"W X 20'       | 5B076     | 180G   | ASTM A554-16  | MT-304 |
| 4:   | 3/4" SQ X 0.062"W X 20'     | 9G078     | 180G   | ASTM A554-16  | MT-304 |
| 5:   | 2" SQ X 0.180"W X 20'       | 5E259     | MF     | ASTM A554-16  | MT-304 |

DAS  
9  
9-89

### CHEMICAL PROPERTIES

|    | C    | Si   | Mn   | P    | S    | Cr    | Ni   | Mo | N | Cu |
|----|------|------|------|------|------|-------|------|----|---|----|
| 1: | .038 | .440 | 1.08 | .034 | .001 | 18.09 | 8.03 |    |   |    |
| 2: | .018 | .270 | 1.31 | .031 | .006 | 18.13 | 8.01 |    |   |    |
| 3: | .024 | .290 | 1.44 | .031 | .007 | 18.23 | 8.05 |    |   |    |
| 4: | .025 | .650 | 1.57 | .031 | .001 | 18.40 | 8.00 |    |   |    |
| 5: | .024 | .410 | 1.36 | .029 | .001 | 18.20 | 8.01 |    |   |    |

### MECHANICAL PROPERTIES

|    | Tensile<br>(N/mm2) | Yield<br>(N/mm2) | Elong.<br>(%) | Hardness<br>(HRB) | Flattening | Hydrostatic | Eddy<br>Current |
|----|--------------------|------------------|---------------|-------------------|------------|-------------|-----------------|
| 1: | 666.00             | 306.00           | 54.00         | 88.00             |            |             |                 |
| 2: | 648.00             | 302.00           | 51.00         | 86.00             |            |             |                 |
| 3: | 619.00             | 271.00           | 53.00         | 85.00             |            |             |                 |
| 4: | 677.00             | 279.00           | 53.00         | 85.00             |            |             |                 |
| 5: | 640.00             | 289.00           | 55.00         | 87.00             |            |             |                 |

WE HEREBY CERTIFY THAT TO THE BEST OF OUR KNOWLEDGE, THE MATERIAL LISTED ABOVE HAS BEEN MANUFACTURED IN ACCORDANCE WITH AND MEET THE ABOVE APPLICABLE SPECIFICATIONS AND GRADES, AND ALSO THAT THE MATERIAL WAS PRODUCED IN A MERCURY FREE ENVIRONMENT. THE CHEMICAL COMPOSITIONS OF THE MATERIAL ARE IN ACCORDANCE WITH ASTM A240.

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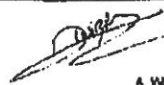
Carrie Wang

Authorized Signature

6/8/2017

Date

| <b>operam</b><br>Correspondence address:<br>Operam GmbH<br>Swinnenwijerweg 5, Poort Gent 7523<br>3600 Gent, Belgium<br>Tel. +32 (0)89 30 21 11   |       | <b>MILL CERTIFICATE DS EN 10204/3.1</b><br><b>CERTIFICAT DE RECEPTION NF EN 10204/3.1</b><br><b>ABNAHMEPRUEFZEUGNIS DIN EN 10204/3.1</b>  |      | N-Nr-N 16K0023863-01 V01   |       |    |    |       |       |       |       |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
|--|-------|---|------|--|-------|----|----|-------|-------|-------|-------|----|----|---|---|---|----|--|--|--|--|--|--|----------------------------|-------|------|------|------|-------|--|--|-------|-------|-------|--|--|--|--|--|--|--|---------|--|--|--|-------|-------|--|--|--|--|--|--|--|--|--|--|--|--|---|-------|------|------|------|-------|--|--|-------|-------|-------|-------|--|--|--|--|--|--|
| Certified acc. PBD 97/23/EC Annex I § 4.3 by Certification Body 0036 of TÜV SÜD Industrie Service GmbH with cert No. 114/2007/MUC. Renounced of counter signature agreed by TÜV SÜD (9/5/2007). Approved acc. AD 2000-Merkblatt W0/TRD 100 by TÜV SÜD Industrie Service GmbH. Confirmation letter from TÜV SÜD Industrie Service GmbH of 07/05/2010 about the uniformity of coils acc. AD 2000 W2 § 4.1.1  |       | Tech. Req.: AD 2000 W2 - AD 2000 W10 - EN 13445-2   |      |  |       |    |    |       |       |       |       |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
| Manufacturer's works order number<br>N° de la commande usine productrice<br>Werksauftragsnummer<br><b>80318219/01-20699/378/01</b>   |       | Surveyor's mark<br>Cachet de l'expert<br>Stempel des<br><b>GNKI</b><br>Werkstatteinrichtungen   |      | Purchaser and/or consignee<br>Client et/ou destinataire<br>Besteller und/oder Empfänger  |       |    |    |       |       |       |       |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
| Product - Produit - Erzeugnis<br>COIL, HOT ROLLED, ANNEALED AND PICKLED, UNTRIMMED<br>COIL, LAMING A CHAUD, RECUIT+DECAP, BORDS NON REFENDUS<br>COIL, WARMOEWALZT, BEGLUHT UND GEBEIZT, UNBESAUUMT   |       | Purchaser's order number<br>N° de commande client<br>Kundenbestellnummer<br><b>604009504</b>  |      | Customer article number<br>Numéro client<br>Artikelnummer des Kunden<br><b>ART018197</b>   |       |    |    |       |       |       |       |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
| Steel designation<br>Désignation de l'acier<br>Stahlbezeichnung<br>EN 10028-3-2009 1.4307 / 1.4301<br>EN 10088-2-2014 1.4307 / 1.4301<br>ASTM A 240-2015 TYPE 304L / 304<br>ASME SA 240-2015 TYPE 304L / 304<br>EN 10088-4-2009 1.4307 / 1.4301  |       | Finish<br>Présentation<br>Aufzeichnung<br>1D<br>1D<br>NO 1<br>NO 1<br>1D  |      | Steelmaking process<br>Mode d'élaboration de l'acier - Stahlherstellungsverfahren<br>Proc. proc.: Electric arc furnace - VOD/AOD - Continuous casting<br>Proc. fabric.: Four à arc - VOD/AOD - Coulée continue<br>Fertigungsablauf: Elektro-Ofen - VOD/AOD - Stranggussanlage<br>Any supplementary requirements<br>Prescriptions supplémentaires - Zusätzliche Anforderungen |       |    |    |       |       |       |       |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
| Product delivery condition<br>Etat de livraison du produit - Lieferzustand<br>Solution treated:<br>Hypertrempe: <b>1050 °C</b><br>Lösungsgeglüht/abgedreht:<br>Forged air-water/air forced-air<br>Gießerei Luft-Wasser   |       | RACE MR 8175 / ISO 15156-3 / ISO 15156-3 - RACE MR 8181 / ASTM A480 / A480M - ASME SA 480 / SA 480M / DIMENSION AND SHAPE TOLERANCES ACC. TO EN ISO 9444-2 // FREE OF RADIOACTIVE CONTAMINATION // CORROSION TEST: ASTM A262-B-0K |      |  |       |    |    |       |       |       |       |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
| Identification of the product<br>Identification du produit - Identifizierung des Erzeugnisses<br><b>MELTED IN BELGIUM, MADE IN BELGIUM</b>   |       | Dimensions<br>Dimensions - Abmessungen<br>Thickness<br>Epaisseur - Stärke<br><b>3.17 mm</b>   |      | Number of pieces<br>No de pièces - Stückzahl<br><b>1</b>   |       |    |    |       |       |       |       |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
| Coil n.<br>N° Bobine - Band Nr.<br><b>61154425</b>   |       | Heat n.<br>N. Coulee - Schmelz Nr.<br><b>109760</b>   |      | Length<br>Longueur - Länge<br><b>1250.00 mm</b>  |       |    |    |       |       |       |       |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
| Net weight<br>Poids net - netto Gewicht<br><b>19020 KG</b>   |       |   |      |  |       |    |    |       |       |       |       |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
| <b>CHEMICAL ANALYSIS - ANALYSE CHIMIQUE - CHEMISCHE ZUSAMMENSETZUNG</b>  |       |   |      |  |       |    |    |       |       |       |       |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
| <table border="1"> <thead> <tr> <th></th> <th>C</th> <th>Si</th> <th>Mn</th> <th>Ni</th> <th>Cr</th> <th>Mo</th> <th>Ti</th> <th>N</th> <th>S</th> <th>P</th> <th>Co</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>Required - Exigé - Minimal</td> <td>0.03H</td> <td>0.75</td> <td>2.00</td> <td>8.00</td> <td>17.50</td> <td></td> <td></td> <td>0.100</td> <td>0.015</td> <td>0.045</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Maximal</td> <td></td> <td></td> <td></td> <td>10.50</td> <td>19.50</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Cast Analysis<br/>Analyse coulée<br/>Analyse Schmelze</td> <td>0.027</td> <td>0.37</td> <td>1.44</td> <td>8.00</td> <td>18.07</td> <td></td> <td></td> <td>0.074</td> <td>0.005</td> <td>0.031</td> <td>0.200</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> |       |   |      |  |       |    | C  | Si    | Mn    | Ni    | Cr    | Mo | Ti | N | S | P | Co |  |  |  |  |  |  | Required - Exigé - Minimal | 0.03H | 0.75 | 2.00 | 8.00 | 17.50 |  |  | 0.100 | 0.015 | 0.045 |  |  |  |  |  |  |  | Maximal |  |  |  | 10.50 | 19.50 |  |  |  |  |  |  |  |  |  |  |  |  | Cast Analysis<br>Analyse coulée<br>Analyse Schmelze | 0.027 | 0.37 | 1.44 | 8.00 | 18.07 |  |  | 0.074 | 0.005 | 0.031 | 0.200 |  |  |  |  |  |  |
|  | C     | Si  | Mn   | Ni   | Cr    | Mo | Ti | N     | S     | P     | Co    |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
| Required - Exigé - Minimal   | 0.03H | 0.75  | 2.00 | 8.00   | 17.50 |    |    | 0.100 | 0.015 | 0.045 |       |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
| Maximal  |       |   |      | 10.50  | 19.50 |    |    |       |       |       |       |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
| Cast Analysis<br>Analyse coulée<br>Analyse Schmelze  | 0.027 | 0.37  | 1.44 | 8.00   | 18.07 |    |    | 0.074 | 0.005 | 0.031 | 0.200 |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
| Positive material identification carried out: OK<br>Tests de vérification de la conformité de la nuance fournie: OK<br>Verifizierungsprüfung wurde durchgeführt: OK  |       |   |      |  |       |    |    |       |       |       |       |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
| <b>Location (1)</b>  |       |   |      |  |       |    |    |       |       |       |       |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
| <b>MECHANICAL PROPERTIES - PROPRIETES MECANQUES - MECHANISCHE WERTE</b> EN ISO 6892-1 B / A-SA 370   |       |   |      |  |       |    |    |       |       |       |       |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
| Room temperature - Température ambiante - Raumtemperatur   |       |   |      |  |       |    |    |       |       |       |       |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
| Yield or proof strength<br>Limite d'élasticité<br>Dehngrenze<br>Required<br>Exigé<br>Anforderung<br>mini<br>maxi   |       |   |      |  |       |    |    |       |       |       |       |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
| Tensile strength<br>Résistance à la traction<br>Zugfestigkeit<br>MPa   |       |   |      |  |       |    |    |       |       |       |       |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
| Elongation after fracture<br>Allongement après rupt.<br>Bruchdehnung<br>%  |       |   |      |  |       |    |    |       |       |       |       |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
| Hardness<br>Dureté<br>Härte  |       |   |      |  |       |    |    |       |       |       |       |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
| Yield or proof strength<br>Limite d'élasticité<br>Dehngrenze<br>MPa  |       |   |      |  |       |    |    |       |       |       |       |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
| Tensile strength<br>Résistance à la traction<br>Zugfestigkeit<br>MPa   |       |   |      |  |       |    |    |       |       |       |       |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
| Elongation %<br>Allongement<br>Bruchdehnung  |       |   |      |  |       |    |    |       |       |       |       |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
| Impact strength test<br>Essai de résilience<br>Kerbschlagzähigkeitstest  |       |   |      |  |       |    |    |       |       |       |       |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
| Corrosion test<br>Test de corrosion<br>Korrosionstest  |       |   |      |  |       |    |    |       |       |       |       |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
| EN ISO 3651/2 - A10K   |       |   |      |  |       |    |    |       |       |       |       |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
| Location of the sample (1)<br>Emplacement de l'échantillon<br>Lage der Probenabnahme<br>1. Front - Début - Anfang<br>2. Back - Fin - Ende<br>3. Middle - Milieu - Mitte  |       |   |      |  |       |    |    |       |       |       |       |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
| The delivery is in accordance with the order<br>La fourniture est conforme aux exigences de la commande<br>Die Lieferung entspricht den Bestellbedingungen   |       |   |      |  |       |    |    |       |       |       |       |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
| Packing list<br>Avis d'expédition<br>Lieferscheinnummer<br><b>2016037052-20699</b>   |       |   |      |  |       |    |    |       |       |       |       |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
| Organisation inspection<br>Organisme et/ou service contrôle<br>Überwachungsabteilung   |       |   |      |  |       |    |    |       |       |       |       |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |
| Quality Department<br>3/5/2016<br>The Inspector<br>Le responsable<br><b>D. Raemackers</b>  |       |   |      |  |       |    |    |       |       |       |       |    |    |   |   |   |    |  |  |  |  |  |  |                            |       |      |      |      |       |  |  |       |       |       |  |  |  |  |  |  |  |         |  |  |  |       |       |  |  |  |  |  |  |  |  |  |  |  |  |   |       |      |      |      |       |  |  |       |       |       |       |  |  |  |  |  |  |

|   |   |  |  |                                     |  |  |                            |       |                            |                            |    |                            |                            |  |                            |                            |  |
|---|---|--|--|-------------------------------------|--|--|----------------------------|-------|----------------------------|----------------------------|----|----------------------------|----------------------------|--|----------------------------|----------------------------|--|
| <br>Aperam Stainless Services & Solutions Luxembourg S.A.<br>Avenue de l'Europe Site du PED - BP 65<br>L-4601 RODANGE<br>Tel: +352 50 64 81 1<br>Fax: +352 50 64 81 64 |   | <b>TEST REPORT</b><br><b>RELEVÉ DE CONTRÔLE</b><br><b>WERKSZEUGNIS</b><br>According to / Selon / Nachdem<br>EN 10204 |  | BL: 0060196 - 2<br>Date: 22/11/2018 |  |  |                            |       |                            |                            |    |                            |                            |  |                            |                            |  |
|   |   |  |  |                                     |  |  |                            |       |                            |                            |    |                            |                            |  |                            |                            |  |
| Manufact. / Product. / Herstell.<br>APERAM STAINLESS EUROPE   |   | Item / Article / Produkt (EN 10088)<br>FB01844G  |  |                                     |  |  |                            |       |                            |                            |    |                            |                            |  |                            |                            |  |
| Supplier Lot / Lot Fourn. / Band Nr<br>61154425   |   | FLAT BAR 4307 1D 3.170 X 101,60 X 3657,80  |  |                                     |  |  |                            |       |                            |                            |    |                            |                            |  |                            |                            |  |
| Heat N° / N° de coulée / Schmelz Nr<br>109760   |   | Customer / Client / Kunde  |  |                                     |  |  |                            |       |                            |                            |    |                            |                            |  |                            |                            |  |
| Steel Designation / Désignation Acier / Stahlbezeichnung<br>EN 10028-7 WNR 1.4307/1.4301<br>EN 10088-2 WNR 1.4307/1.4301<br>ASTM A 240(M) TYPE 304L/304<br>ASME SA 240 TYPE 304L/304  |   | Order / Commande / Order<br>609037632 - 03<br>Reference / Référence / Referenz<br>MPO18-51 (C106968)                 |  |                                     |  |  |                            |       |                            |                            |    |                            |                            |  |                            |                            |  |
| AD 2000 W2 - AD 2000 W10 - PED 2014/68/EU   |   |  |  |                                     |  |  |                            |       |                            |                            |    |                            |                            |  |                            |                            |  |
| Mill Certificate / N° de Certificate / Prüfzeugnis Nr<br>16K0023863   |   |  |  |                                     |  |  |                            |       |                            |                            |    |                            |                            |  |                            |                            |  |
| Chemical Analysis / Analyse Chimique / Chemische Zusammensetzung  |   |  |  |                                     |  |  |                            |       |                            |                            |    |                            |                            |  |                            |                            |  |
|   | C   | Si   | Mn   | Ni                                  | Cr   | Mo   | Ti                         | N     | S                          | P                          | Cu | Al                         |                            |  |                            |                            |  |
| Chemical Analysis<br>Analyse Chimique<br>Analyse  | 0,027   | 0,376  | 1,447  | 6,001                               | 18,073   |  |                            | 0,074 | 0,005                      | 0,031                      |    |                            |                            |  |                            |                            |  |
| Mechanical Properties / Propriétés Mécaniques / Mechanische Werte EN 10002-1  |   |  |  |                                     |  |  |                            |       |                            |                            |    |                            |                            |  |                            |                            |  |
|   | Yield strength<br>Limite d'élasticité<br>Dehnungsmaße |  | Tensile strength<br>Résistance à la traction<br>Dehnungsmaße |                                     | Elongation after fracture (A)<br>Allongement après rupture<br>Dehnungsmaße |  | Hardness<br>Dureté<br>Hare |       |                            |                            |    |                            |                            |  |                            |                            |  |
|   | Re 0.2 %  | Re 1%  | Rm   | AS                                  | BS mm  | HRB  | DDG                        |       |                            |                            |    |                            |                            |  |                            |                            |  |
|   | 272   | 322  | 635  |                                     | 55   | 82,9   | 42                         |       |                            |                            |    |                            |                            |  |                            |                            |  |
| Material Identification / Identification Matière / Identifizierung Sachgebiet   |   |  |  |                                     |  |  |                            |       |                            |                            |    |                            |                            |  |                            |                            |  |
| Lot No<br>N° Lot<br>Los Nr  | Weight<br>Poids<br>Gewicht                            |  | Lot No<br>N° Lot<br>Los Nr                                   | Weight<br>Poids<br>Gewicht          |  | Lot No<br>N° Lot<br>Los Nr   | Weight<br>Poids<br>Gewicht |       | Lot No<br>N° Lot<br>Los Nr | Weight<br>Poids<br>Gewicht |    | Lot No<br>N° Lot<br>Los Nr | Weight<br>Poids<br>Gewicht |  | Lot No<br>N° Lot<br>Los Nr | Weight<br>Poids<br>Gewicht |  |
|   | Kg  |  |  | Kg                                  |  |  | Kg                         |       |                            | Kg                         |    |                            | Kg                         |  |                            | Kg                         |  |
| 0989194   | 731   |  |  |                                     |  |  |                            |       |                            |                            |    |                            |                            |  |                            |                            |  |
| 0989208   | 758   |  |  |                                     |  |  |                            |       |                            |                            |    |                            |                            |  |                            |                            |  |
| Number of lots / Nombre de lots / Bunde Anzahl : 2<br>Total weight / Poids Total / Gesamt Gewicht [Kg] : 1489   |   |  |  |                                     |  | The Inspector<br>Le Responsable<br>Der Werksachverständige<br><br>A. Völkel |                            |       |                            |                            |    |                            |                            |  |                            |                            |  |

19662

CERTIFICAT D'ANALYSE

DART AEROSPACE LTD  
 1270, ABERDEEN STREET  
 HAWKESBURY, ONTARIO  
 K6A 1K7

12 juillet 17

| Product Description                | Shipped Pcs            | Back Ordred             | PO LINE    |
|------------------------------------|------------------------|-------------------------|------------|
| A2-05000                           | 1.00                   | 0.00                    |            |
| 1/2 X 32 5/16" X 139 7/8" A2 PLATE |                        |                         |            |
| ASTM A-681-08                      |                        |                         |            |
| DFARS Compliant                    |                        |                         |            |
| PLATE#: 417146A                    | PM HEAT#: 76792        | DAS 5<br>Q-89           | BHN 226.00 |
| Country of Origin USA              |                        |                         |            |
| C - 1.0000 Mn - 0.6900             | P - 0.0220 S - 0.0010  | Si - 0.3400 Ni - 0.1800 |            |
| Cr - 5.0800 Mo - 1.0200            | Cu - 0.0800 V - 0.3200 | W - 0.0500              |            |

ITEM 1: 2 X 1.25" X 133.25"

COMMANDE : 126774

REF : 36836

Métaux Solutions inc. certifie que les analyses sur ce document sont exactes et que le matériel rencontre les spécifications énumérées.

Préparer par 



## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MSteel-42-BG.500x1.250  
 DATE: JUL 18 2017

PO / BATCH NO.: PO36836/M138008

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 22'  
 QUANTITY INSPECTED: 22'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.500x1.250  
 THICKNESS RECEIVED: 0.533x1.188-1.355  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

| DESCRIPTION  | NCR<br>(Check<br>Y/N)  | COMMENTS         |
|--|--|------------------|
| SURFACE DAMAGE                                     | Y <input checked="" type="checkbox"/> N <input type="checkbox"/> |                  |
| CORRECT FINISH                                     | Y <input checked="" type="checkbox"/> N <input type="checkbox"/> |                  |
| CORROSION  | Y <input type="checkbox"/> N <input checked="" type="checkbox"/> |                  |
| CORRECT GRAIN DIRECTION                            | Y <input checked="" type="checkbox"/> N <input type="checkbox"/> |                  |
| CORRECT MATERIAL PER M-DRAWING                     | Y <input checked="" type="checkbox"/> N <input type="checkbox"/> | <u>Asim AC81</u> |
| CORRECT THICKNESS                                  | Y <input checked="" type="checkbox"/> N <input type="checkbox"/> |                  |
| PHOTO REQUIRED                                     | Y <input type="checkbox"/> N <input checked="" type="checkbox"/> |                  |
| CORRECT REF # TO LINK CERT                         | Y <input checked="" type="checkbox"/> N <input type="checkbox"/> | <u>HT #76792</u> |
| CORRECT MATERIAL IDENTIFICATION                    | Y <input checked="" type="checkbox"/> N <input type="checkbox"/> |                  |
| CORRECT M# ON THE MATERIAL                         | Y <input checked="" type="checkbox"/> N <input type="checkbox"/> |                  |
| DOES THIS MATERIAL REQUIRE<br>ENGINEERING SIGN OFF | Y <input type="checkbox"/> N <input checked="" type="checkbox"/> |                  |
| DOES THIS REQUIRE AN<br>EXTRUSION REPORT           | Y <input type="checkbox"/> N <input checked="" type="checkbox"/> |                  |

| CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.<br>RECORD RESULTS BELOW |     |     |       |       |  |
|--|-----|-----|-------|-------|--|
| TYPE OF MATERIAL   | HRC | HRB | DUR A | DUR D |  |
| SIZE OF TEST SAMPLE  |     |     |       |       |  |
| HARDNESS / DUROMETER READING   |     |     |       |       |  |

*testers located in the Quality Office*

|   |  |
|---|--|
| <b>QC 18 INSPECTION</b>   | <b>ENGINEERING SIGNOFF (if required)</b> |
| INSPECTED BY: <u>5</u><br><u>9-89</u><br>DATE: <u>JUL 18 2017</u> | SIGNED OFF BY: _____<br>DATE: _____      |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI A2 TOOL STEEL, ANNEALED CONDITION

SPECIFICATION: ASTM A681

PART NUMBER: MSTEEL-A2-BT.TTT X W.WWW

WHERE "T.TTT" = THICKNESS IN INCHES  
"W.WWW" = WIDTH IN INCHES

EG. 0.500" X 1.250" BAR = MSTEEL-A2-B0.500X1.250

TOLERANCES: PER ASTM A681 AS FOLLOWING

TABLE 14 Hot-Rolled Flat Bars  
(Width and Thickness Tolerances Width Tolerances)<sup>a</sup>

| Specified Widths, in. (mm)       | Specified Widths, in. (mm) |      | Width Tolerances, in. (mm) |              |
|----------------------------------|----------------------------|------|----------------------------|--------------|
|                                  | Under                      | Over | Under                      | Over         |
| To 1 (25.4), incl                |                            |      | 0.016 (0.41)               | 0.031 (0.79) |
| Over 1 to 3 (25.4 to 76), incl   |                            |      | 0.031 (0.79)               | 0.047 (1.19) |
| Over 3 to 5 (76 to 127), incl    |                            |      | 0.047 (1.19)               | 0.063 (1.60) |
| Over 5 to 7 (127 to 178), incl   |                            |      | 0.063 (1.60)               | 0.094 (2.39) |
| Over 7 to 10 (178 to 254), incl  |                            |      | 0.078 (1.98)               | 0.125 (3.18) |
| Over 10 to 12 (254 to 305), incl |                            |      | 0.094 (2.39)               | 0.155 (3.93) |

| Specified Widths, in. (mm)       | Specified Widths, in. (mm) |      | Thickness Tolerances for Specified Thicknesses, in. (mm) |                                  |
|----------------------------------|----------------------------|------|--|----------------------------------|
|                                  | Under                      | Over | Under  | Over                             |
| To 1 (25.4), incl                |                            |      | Over 1/2 to 1 (12.7 to 25.4), incl                       | Over 1 to 2 (25.4 to 50.8), incl |
| Over 1 to 2 (25.4 to 50.8), incl |                            |      | Under  | Over                             |
| Over 2 to 3 (50.8 to 76), incl   |                            |      | 0.006 (0.15)   | 0.010 (0.25)                     |
| Over 3 to 4 (76 to 102), incl    |                            |      | 0.006 (0.15)   | 0.010 (0.25)                     |
| Over 4 to 5 (102 to 127), incl   |                            |      | 0.006 (0.15)   | 0.010 (0.25)                     |
| Over 5 to 6 (127 to 152), incl   |                            |      | 0.006 (0.15)   | 0.010 (0.25)                     |
| Over 6 to 7 (152 to 178), incl   |                            |      | 0.006 (0.15)   | 0.010 (0.25)                     |
| Over 7 to 10 (178 to 254), incl  |                            |      | 0.006 (0.15)   | 0.010 (0.25)                     |
| Over 10 to 12 (254 to 305), incl |                            |      | 0.006 (0.15)   | 0.010 (0.25)                     |

<sup>a</sup> Out of square tolerance to be 1/2 of total width tolerance max.

RELEASED  
2012-09-12

| NEW ISSUE          |    | DESCRIPTION                 |      | DATE       |      |
|--------------------|----|-----------------------------|------|------------|------|
| REV.               | BY | AP                          | DATE | REV.       | DATE |
| DESIGN             | AP | AP                          |      | DRAWN      |      |
| CHECKED            | AP | AP                          |      | MFG. APPR. |      |
| APPROVED           | AP | AP                          |      | DE APPR.   |      |
| DATE               |    | 12.09.06                    |      | 12.09.06   |      |
| DART AEROSPACE LTD |    | HAWKESBURY, ONTARIO, CANADA |      | REV. A     |      |
| MSTEE-A2           |    | SHEET 1 OF 1                |      | SCALE      |      |
| AISI A2 TOOL STEEL |    | N/A                         |      | NTS        |      |

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PURCHASE MATERIAL: AISI 304/316 STAINLESS STEEL SQUARE TUBING

FINISH:

ASTM A554 MILL FINISH  
OR  
ASTM A269 MILL FINISH

DAS 9  
9-89

3/4" X .065"

WHERE:

A.AAA = WIDTH IN INCHES  
.TTT = WALL THICKNESS IN INCHES

PART NUMBER:

M304TS | A.AAA | W | TTT |  
| WIDTH | WALL |

PART NUMBER:

EG. 0.75" X 0.75" X 0.049 WALL = M304TS0.750W.049

RELEASED  
2014-05-26

|            |  |                             |  |     |          |
|------------|--|-----------------------------|--|-----|----------|
| D          | "SEAMLESS" REMOVED FROM PURCHASE MATERIAL SPECIFICATION (SEE NCR14-3818)                             |                             |  | DB  | 14.05.20 |
| C          | "SEAMLESS" ADDED TO PURCHASE MATERIAL. ASTM A269 ADDED TO FINISH. REASON: SPEC ADDED FOR 1/2" TUBING |                             |  | AJS | 08.10.16 |
| B          | DRAWING MOVED TO "B" SIZE BORDER, FINISH ADDED (SEE NCR 08-045 FOR DETAILS).                         |                             |  | AJS | 08.08.28 |
| A          | NEW ISSUE  |                             |  | DS  | 01.06.08 |
| REV.       | DESCRIPTION  |                             |  | BY  | DATE     |
| DESIGN     | DS   | DART AEROSPACE LTD          |  |     |          |
| DRAWN      | DB   | HAWKESBURY, ONTARIO, CANADA |  |     |          |
| CHECKED    | DB   | DRAWING NO.                 |  |     |          |
| MFG. APPR. | DS   | M304TS                      |  |     |          |
| APPROVED   | DS   | TITLE                       |  |     |          |
| DE APPR.   | DS   | 304/316 SQUARE TUBING       |  |     |          |
| DATE       | 14.05.20   | SCALE                       |  |     |          |
|            |  |                             |  |     | NONE     |

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# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304TS0.750w.065  
 DATE: 11-01-17

PO / BATCH NO.: P036836/M138008

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 200'  
 QUANTITY INSPECTED: 200'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .065  
 THICKNESS RECEIVED: .060  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

| DESCRIPTION  | NCR<br>(Check<br>Y/N)            |                                  | COMMENTS     |
|--|----------------------------------|----------------------------------|--------------|
| SURFACE DAMAGE                                     | Y                                | <input checked="" type="radio"/> |              |
| CORRECT FINISH                                     | <input checked="" type="radio"/> | N                                |              |
| CORROSION  | Y                                | <input checked="" type="radio"/> |              |
| CORRECT GRAIN DIRECTION                            | <input checked="" type="radio"/> | N                                |              |
| CORRECT MATERIAL PER M-DRAWING                     | <input checked="" type="radio"/> | N                                | ASTM A554-16 |
| CORRECT THICKNESS                                  | <input checked="" type="radio"/> | N                                |              |
| PHOTO REQUIRED                                     | Y                                | <input checked="" type="radio"/> |              |
| CORRECT REF # TO LINK CERT                         | <input checked="" type="radio"/> | N                                | HT# 96073    |
| CORRECT MATERIAL IDENTIFICATION                    | <input checked="" type="radio"/> | N                                |              |
| CORRECT M# ON THE MATERIAL                         | <input checked="" type="radio"/> | N                                |              |
| DOES THIS MATERIAL REQUIRE<br>ENGINEERING SIGN OFF | Y                                | <input checked="" type="radio"/> |              |
| DOES THIS REQUIRE AN<br>EXTRUSION REPORT           | Y                                | <input checked="" type="radio"/> |              |

| CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.<br>RECORD RESULTS BELOW |     |     |       |       |  |
|--|-----|-----|-------|-------|--|
| TYPE OF MATERIAL<br>SIZE OF TEST SAMPLE<br>HARDNESS / DUROMETER READING            | HRC | HRB | DUR A | DUR D |  |
|  |     |     |       |       |  |
|  |     |     |       |       |  |

testers located in the Quality Office

| QC 18 INSPECTION  | ENGINEERING SIGNOFF (if required)   |
|---|-------------------------------------|
| INSPECTED BY: <u>DAS</u><br><u>9</u><br>DATE: <u>11-01-17</u> | SIGNED OFF BY: _____<br>DATE: _____ |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M4130NB.500X3.00  
 DATE: 17/07/18

PO / BATCH NO.: 36836/138008

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 46.6  
 QUANTITY INSPECTED: 46.6  
 QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: .500  
 THICKNESS RECEIVED: .500  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: \_\_\_\_\_

| DESCRIPTION  | NCR<br>(Check<br>Y/N)                   | COMMENTS         |
|--|---|------------------|
| SURFACE DAMAGE                                     | Y <input checked="" type="checkbox"/> N |                  |
| CORRECT FINISH                                     | Y <input checked="" type="checkbox"/> N |                  |
| CORROSION  | Y <input checked="" type="checkbox"/> N |                  |
| CORRECT GRAIN DIRECTION                            | Y <input checked="" type="checkbox"/> N |                  |
| CORRECT MATERIAL PER M-DRAWING                     | Y <input checked="" type="checkbox"/> N | AMS 12345        |
| CORRECT THICKNESS                                  | Y <input checked="" type="checkbox"/> N |                  |
| PHOTO REQUIRED                                     | Y <input checked="" type="checkbox"/> N |                  |
| CORRECT REF # TO LINK CERT                         | Y <input checked="" type="checkbox"/> N | HEAT# 248571     |
| CORRECT MATERIAL IDENTIFICATION                    | Y <input checked="" type="checkbox"/> N | M4130NB.500X3.00 |
| CORRECT M# ON THE MATERIAL                         | Y <input checked="" type="checkbox"/> N | M138008          |
| DOES THIS MATERIAL REQUIRE<br>ENGINEERING SIGN OFF | Y <input checked="" type="checkbox"/> N |                  |
| DOES THIS REQUIRE AN<br>EXTRUSION REPORT           | Y <input checked="" type="checkbox"/> N |                  |

| CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.<br>RECORD RESULTS BELOW |     |     |       |       |
|--|-----|-----|-------|-------|
| TYPE OF MATERIAL   | HRC | HRB | DUR A | DUR D |
| SIZE OF TEST SAMPLE  |     |     |       |       |
| HARDNESS / DUROMETER READING   |     |     |       |       |

testers located in the Quality Office

| QC 18 INSPECTION                 | ENGINEERING SIGNOFF (if required) |
|----------------------------------|-----------------------------------|
| INSPECTED BY: <u>[Signature]</u> | SIGNED OFF BY: _____              |
| DATE: <u>17/07/18</u>            | DATE: _____                       |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



PURCHASE MATERIAL: AISI 4130N STEEL BAR PER MIL-S-6758 OR AMS 6345/6348/6370/6528

PART NUMBER:

M4130N-B | T.TTT | X | WW.WWW |  
THICK | WIDTH |

WHERE T.TTT = THICKNESS (IN INCHES)  
WW.WWW = WIDTH (IN INCHES)

EG. 0.5" X 3.0" BAR = M4130N-B0.500X03.000

RELEASED  
08-07-09

|            |              |   |              |
|------------|--------------|---|--------------|
| B          | ADD AMS 6345 | PH  | 08.05.05     |
| A          | NEW ISSUE    | DS  | 01.06.08     |
| REV.       | DESCRIPTION  | BY  | DATE         |
| DESIGN     |              | <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA  |              |
| DRAWN      |              |   |              |
| CHECKED    |              | DRAWING NO.   | REV. B       |
| MFG. APPR. |              | M4130N-B  | SHEET 1 OF 1 |
| APPROVED   |              | TITLE   | SCALE        |
| DE APPR.   |              | 4130 BAR  | NTS          |
| DATE       | 08.05.05     | COPYRIGHT © 2001 BY DART AEROSPACE LTD<br><small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small> |              |



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO36836

Purchase Order Date 6/27/2017

PO Print Date 6/27/2017

Page Number 1 of 4

Order From :

VC-MET002

Ship To : DART AEROSPACE LTD

METAUX SOLUTIONS  
2625 BOUL JACQUES-CARTIER EST  
LONGUEUIL, QC J4N 1L7  
CA

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

EMAILED  
JUN 27 2017

Contact Name

Vendor Phone

800 558 8858

Ship To Contact

Ship To Phone

Ship Via:

Journey Freight collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

| Line Nbr | Reference<br>Vendor Part Number<br>Line Comments<br>Delivery Comments | Description/<br>Mfg ID           | Req Date/<br>Taxable<br>Promise Date | CD              | Req Qty/<br>Unit of<br>Measure | PO Unit Price | Extended<br>Price |
|----------|---|----------------------------------|--------------------------------------|-----------------|--------------------------------|---------------|-------------------|
| 1        | M174PH-H900R0.750   | 17-4 SS H900 ROUND<br>BAR 0.750" | 7/13/2017                            | No<br>7/13/2017 | 12.00<br>f                     | \$68.90       | \$826.80          |

MATERIAL: 17-4 PH COND. H900

AS PER AMS 5643

NOTE: METAUX SOLUTION WILL SEND MATERIAL TO METCOR TO HEAT TREAT H900

FINISH:

HEAT TREAT TO COND H900

FTY IN EXCESS OF 170KSI

FTU IN EXCESS OF 190KSI

PER AMS2759/3

DETAIL C OF C REQUIRED

2017-7-12

Line Total:

\$826.80

Note:

6/27/2017



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO36836

Purchase Order Date 6/27/2017

PO Print Date 6/27/2017

Page Number 2 of 4

**Order From :**

VC-MET002

**Ship To :** DART AEROSPACE LTD

METAUX SOLUTIONS  
2625 BOUL JACQUES-CARTIER EST  
LONGUEUIL, QC J4N 1L7  
CA

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 800 558 8858

**Ship To Contact**

**Ship To Phone**

**Ship Via:** Journey Freight collect

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

Destination-Collect

|   |                        |  |          |       |         |          |
|---|------------------------|--|----------|-------|---------|----------|
| 2 | MSTEEL-A2-B0.500X1.250 | AISI A2 TOOL STEEL<br>BAR, 0.500 X 1.250 | 7/4/2017 | 24.00 | \$12.38 | \$297.00 |
|   |                        |  | Yes      | f     |         |          |
|   |                        |  | 7/4/2017 |       |         |          |

MATERIAL: AISI A2 TOOL STEEL, ANNELED CONDITION  
AS PER A681

TOLERANCE -0+0" AS PER QUOTATION #16619  
CUT AT 1.25"

**Line Total:** \$297.00

|   |                  |                              |          |        |        |          |
|---|------------------|------------------------------|----------|--------|--------|----------|
| 3 | M304TS0.750W.065 | 304 SQ Tube<br>.75x.75x.065W | 7/4/2017 | 200.00 | \$2.75 | \$550.00 |
|   |                  |                              | Yes      | f      |        |          |
|   |                  |                              | 7/4/2017 |        |        |          |

MATERIAL: AISI 304/316 STAINLESS STEEL SQUARE TUBING  
AS PER ASTM A554 MILL FINISH  
OR  
AS PER ASTM A269 MILL FINISH

DAS  
9  
9-89

SP 17-7-12

**Line Total:** \$550.00

**Note:**

6/27/2017





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO36836

Purchase Order Date 6/27/2017

PO Print Date 6/27/2017

Page Number 3 of 4

**Order From :**

METAUX SOLUTIONS  
2625 BOUL JACQUES-CARTIER EST  
LONGUEUIL, QC J4N 1L7  
CA

VC-MET002

**Ship To :** DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone**

800 558 8858

**Ship To Contact**

**Ship To Phone**

**Ship Via:**

Journey Freight collect

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

Destination-Collect

|   |                     |                       |          |       |         |            |
|---|---------------------|-----------------------|----------|-------|---------|------------|
| 4 | M4130NB0.500X03.000 | 4130 Bar 0.500 x 3.00 | 7/4/2017 | 46.67 | \$29.95 | \$1,397.66 |
|   |                     |                       | Yes      | f     |         |            |
|   |                     |                       | 7/4/2017 |       |         |            |

MATERIAL: AISI 4130N STEEL BAR PER MIL-S-6758 OR AMS 6345/6348/6370/6528

40 PCS CUT TO SIZE 14"

Line Total: \$1,397.66

|   |          |                                 |          |       |         |            |
|---|----------|---------------------------------|----------|-------|---------|------------|
| 5 | 71500-20 | 304 SLAT 0.125" X 4" X 65" LONG | 7/4/2017 | 56.00 | \$31.30 | \$1,752.80 |
|   |          |                                 | Yes      | Each  |         |            |
|   |          |                                 | 7/4/2017 |       |         |            |

Line Total: \$1,752.80

Deliver To: WATER JET

Note:

6/27/2017



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO36836

Purchase Order Date 6/27/2017

PO Print Date 6/27/2017

Page Number 4 of 4

**Order From :**

VC-MET002

METAUX SOLUTIONS  
2625 BOUL JACQUES-CARTIER EST  
LONGUEUIL, QC J4N 1L7  
CA

**Ship To :** DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 800 558 8858

**Ship To Contact**

**Ship To Phone**

**Ship Via:** Journey Freight collect

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

Destination-Collect

6 71401-45 PROCUREMENT 7/4/2017 1.00 \$0.00 \$0.00  
QUALITY CLAUSES

No

7/4/2017

**Procurement Quality Clauses**

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

8017-7-12

**Line Total:**

**\$0.00**

**PO Total:**

**\$4,824.26**

**Note:** Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Change Nbr:

1

Change Date:

6/27/2017